

Name \_\_\_\_\_

# Zeros in the Quotient

P 7-8

Divide. Check your answer.

1.  $3\overline{)921}$

2.  $4\overline{)834}$

3.  $5\overline{)549}$

4.  $2\overline{)611}$

5.  $6\overline{)627}$

6.  $8\overline{)824}$

7.  $7\overline{)762}$

8.  $5\overline{)535}$

9.  $4\overline{)810}$

10.  $6\overline{)121}$

11.  $7\overline{)712}$

12.  $9\overline{)936}$

13. **Number Sense** When Donald divided 636 by 6, his quotient was 16. What common mistake did he make?
- \_\_\_\_\_

The fourth graders in Clifton's classroom used computer games to practice their math skills. Each student's score was the same in each round.

14. Clifton scored 918 points in 9 rounds of math facts. How many points did he score in each round?
- \_\_\_\_\_

15. Brionne scored 654 points in 6 rounds. How many points did she score in each round?
- \_\_\_\_\_

## Test Prep

16. Which is the quotient of  $617 \div 3$ ?

A. 203 R2

B. 205

C. 205 R1

D. 205 R2

17. **Writing in Math** In Patricia's class, 7 students need to share 714 building blocks to make a building model. Each student needs an equal number of blocks. Patricia thinks each student should have 100 blocks. Is this the best plan? Explain.
- \_\_\_\_\_
- \_\_\_\_\_

Name \_\_\_\_\_

## Zeros in the Quotient

PS 7-8

An art supply company receives deliveries of supplies for all of its stores. Here is the current list.

Crayon boxes	918
Paint boxes	540
Marker boxes	623

1. If the crayon boxes are divided equally among 9 stores, how many boxes does each store receive?  
\_\_\_\_\_
2. If the paint boxes are shipped to 5 stores and they each receive the same amount, how many does each store receive?  
\_\_\_\_\_
3. The marker boxes are divided equally among 3 stores. How many are shipped to each store? How many are left in the company warehouse?  
\_\_\_\_\_
4. The art supply company's warehouse received a new shipment of paintbrushes. The company wanted to ship at least 200 paintbrushes to each store that received the boxes of markers. Is it reasonable that there were 6 left in the warehouse?  
\_\_\_\_\_
5. There are 525 stores in the art company chain. If 5 regional managers are responsible for an equal number of stores, how many stores is each manager responsible for?  
\_\_\_\_\_
6. **Writing in Math** Solve the equation  $n \div 5 = 105$ . How do you know that the number in the tens place for  $n$  is less than 5?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Name \_\_\_\_\_

# Dividing Money Amounts

P 7-9

Divide. Check your answer.

1.  $4 \overline{) \$8.12}$

2.  $3 \overline{) \$1.20}$

3.  $5 \overline{) \$6.55}$

4.  $2 \overline{) \$9.68}$

5.  $7 \overline{) \$7.21}$

6.  $9 \overline{) \$8.19}$

7.  $6 \overline{) \$4.74}$

8.  $8 \overline{) \$9.52}$

Use the table at the right for Exercises 9 and 10. Find the cost of one of each type of tropical fish.

9. Neon barb

\_\_\_\_\_

10. Guppy

\_\_\_\_\_

**Pete's Pets**

Fish	Price
Guppies	6 for \$1.44
Neon barbs	3 for \$3.99
Tetras	3 for \$4.98
Zebra danio	3 for \$2.19
Black snail	\$0.99 each

11. Marcus bought 6 cans of fish food for \$7.74.  
How much did he spend per can?

\_\_\_\_\_

## Test Prep

12. If James bought 5 trading cards for \$5.25, how much did each card cost?

A. \$0.88

B. \$0.99

C. \$1.00

D. \$1.05

13. **Writing in Math** Explain how you can use the fact  $620 \div 4 = 155$  to find the cost of each bottle of water, if the price is \$6.20 for 4 bottles.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Name \_\_\_\_\_

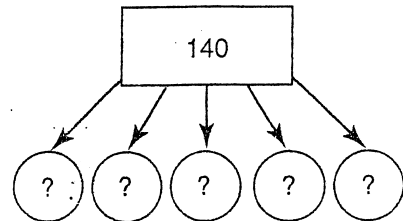
**PROBLEM-SOLVING STRATEGY**

**P 7-10**

# Write a Number Sentence

**Using a Number Sentence to Solve Problems** Solve the number sentence. Write the answer in a complete sentence.

1. McKinley Elementary School is holding its annual science fair. There are 140 projects to be displayed. There is room for 5 projects on each table. How many tables are needed to display all the projects?



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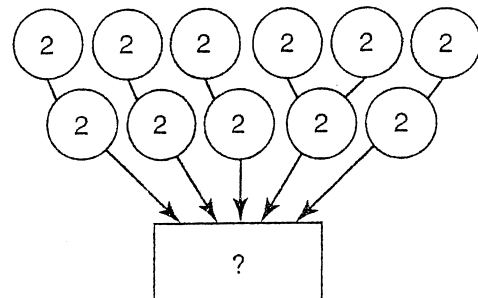
**Writing a Number Sentence to Solve Problems** Draw a picture to show the main idea for each problem. Then write a number sentence. Solve. Write the answer in a complete sentence.

2. Stanley's science fair project is on recycling. As part of the project, he and his friends collected 45 lb of aluminum cans and redeemed them at the recycling center. They received \$0.31 per pound. How much did they receive for all their cans?

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3. Brittany's project showed the size of the planet Jupiter as compared to Earth. She found that the diameter of Jupiter was about 11 times greater than the diameter of Earth. If her model of Earth has a diameter of 2 in., how large should the diameter of her model of Jupiter be?



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Name \_\_\_\_\_

# Divisibility Rules

P 7-11

Test each number to see if it is divisible by 2, 3, 5, 9, and 10.

1. 15 \_\_\_\_\_

2. 45 \_\_\_\_\_

3. 48 \_\_\_\_\_

4. 60 \_\_\_\_\_

5. 198 \_\_\_\_\_

6. 375 \_\_\_\_\_

7. 720 \_\_\_\_\_

8. 682 \_\_\_\_\_

9. Name four ways Mr. Yancey can divide his class of 20 into equal groups.

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10. Derrick has a collection of 85 baseball cards that he wants to put into a binder. He wants to put them on pages that hold 9 cards each. Will each of the pages be filled? How do you know?

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## Test Prep

11. Which of the following numbers is divisible by 2, 3, 5, 9, and 10?

A. 255

B. 309

C. 450

D. 535

12. **Writing in Math** A school bus can hold a maximum of 66 students. How do you know you can equally put 3 students in each seat?

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Name \_\_\_\_\_

## Finding Averages

P 7-12

Find the average, or mean, of each set of data.

1. 6, 9, 4, 5 \_\_\_\_\_

2. 4, 8, 2, 7, 4 \_\_\_\_\_

3. 17, 25, 15 \_\_\_\_\_

4. 47, 36, 44, 29 \_\_\_\_\_

5. 9, 6, 7, 4, 3, 7 \_\_\_\_\_

6. 124, 233, 156 \_\_\_\_\_

7. 25, 16, 12, 42, 20 \_\_\_\_\_

8. 425, 125, 542 \_\_\_\_\_

9. **Number Sense** Could the average of three numbers be one of those three numbers? Give an example.

\_\_\_\_\_

\_\_\_\_\_

Name \_\_\_\_\_

## Dividing by Multiples of 10

P 7-13

Divide. Use mental math.

1.  $360 \div 40 =$  \_\_\_\_\_ 2.  $450 \div 90 =$  \_\_\_\_\_ 3.  $270 \div 30 =$  \_\_\_\_\_

4.  $630 \div 70 =$  \_\_\_\_\_ 5.  $1,600 \div 40 =$  \_\_\_\_\_ 6.  $1,000 \div 20 =$  \_\_\_\_\_

7.  $250 \div 50 =$  \_\_\_\_\_ 8.  $490 \div 70 =$  \_\_\_\_\_ 9.  $1,200 \div 60 =$  \_\_\_\_\_

10.  $400 \div 80 =$  \_\_\_\_\_ 11.  $2,100 \div 70 =$  \_\_\_\_\_ 12.  $1,800 \div 30 =$  \_\_\_\_\_

13. **Number Sense** If  $270 \div 90 = 3$  and  $2,700 \div 90 = 30$ , what is  $270,000 \div 90$ ? \_\_\_\_\_

The whooping crane is being reintroduced to the midwestern United States. The birds fly from Wisconsin to Florida in the fall.

14. Suppose a group of cranes covered the 1,200 mi trip south in about 20 flying days. How far did they fly per day? \_\_\_\_\_

15. In the spring, the birds flew the return trip back north in only 10 days. How many times as fast did the birds fly on their return trip? \_\_\_\_\_

Name \_\_\_\_\_

# Dividing with Two-Digit Divisors

P 7-14

~~Write the quotient and remainder.~~ divide.

1.  $84 \div 22$  \_\_\_\_\_

2.  $271 \div 53$  \_\_\_\_\_

3.  $379 \div 42$  \_\_\_\_\_

4.  $294 \div 61$  \_\_\_\_\_

5.  $29 \overline{)167}$

6.  $34 \overline{)296}$

7.  $57 \overline{)379}$

8.  $76 \overline{)247}$

9.  $55 \overline{)179}$

10.  $82 \overline{)396}$

11. Ms. Nicholas brought 189 blue beads and 189 white beads so that her class could make bracelets. It takes 42 beads to make a bracelet. How many bracelets could they make? \_\_\_\_\_

12. Mr. Barkley is helping students make candles using wax and empty milk cartons. Mr. Barkley carefully melted 160 oz of wax. If each of the 26 students makes a candle, about how many ounces will each candle weigh? \_\_\_\_\_

## Test Prep

13. Trisha scored 568 points in 71 basketball games. How many points did she score per game?

A. 9 points      B. 8 R41 points      C. 8 R22 points      D. 8 points

14. **Writing in Math** Explain why the remainder of any division problem must be smaller than the divisor.

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**Chapter 7 Review****Multiple Choice**

Identify the letter of the choice that best completes the statement or answers the question.

- \_\_\_\_\_ 1. Divide. Check your answer.

$$9 \overline{) \$5.04}$$

- a. \$56.00      b. \$5.60      c. \$0.57      d. \$0.56
- \_\_\_\_\_ 2. Nancy saved the same amount of money each day for 5 days. By the end of that time, she had saved a total of \$0.35. How much money did Nancy save each day?
- a. \$0.07      b. \$0.08      c. \$7      d. \$1.75
- \_\_\_\_\_ 3. The table shows the number of daily absences at Lincoln School during 4 weeks.

**DAILY ABSENCES**

Week	Number of Absences
Nov. 4	16, 19, 24, 21, 15
Nov. 11	18, 20, 18, 19, 20
Nov. 18	22, 14, 18, 22, 14
Nov. 25	17, 25, 18

- What was the average number of absences during the week of November 4th?
- a. 5 absences      b. 18 absences      c. 19 absences      d. 95 absences
- \_\_\_\_\_ 4. Use patterns to find the quotient.
- $4,500 \div 5$
- a. 9      b. 90      c. 900      d. 9,000
- \_\_\_\_\_ 5. A 3-car train holds a total of 180 passengers. If the same number of passengers travel in each car, how many will each car hold?
- a. 6 passengers      c. 60 passengers  
b. 7 passengers      d. 70 passengers
- \_\_\_\_\_ 6. The distance across the continental United States is approximately 3,000 miles. If Miguel wishes to make the trip across the country in 5 days, how many miles will he have to travel each day?
- a. 6 miles      c. 600 miles  
b. 60 miles      d. 15,000 miles



Name: \_\_\_\_\_

ID: A

- \_\_\_\_\_ 7. A toy company has 348 toys. Each carton can hold 5 toys. Which is the best estimate of the number of cartons needed to ship all the toys?  
a. 6 cartons      b. 7 cartons      c. 60 cartons      d. 70 cartons
- \_\_\_\_\_ 8. The 294 students touring a plant are separated into 7 groups of closely the same size. Which is the best estimate for the number of students in each group?  
a. 4 students      b. 30 students      c. 40 students      d. 50 students
- \_\_\_\_\_ 9. Casey will earn a trophy if he reads all 80 books on the library's Best Books list. He plans to read 5 books per week. How long will it take him to read all the books?  
a. 11 weeks      b. 80 weeks      c. 16 weeks      d. 21 weeks
- \_\_\_\_\_ 10. If 69 people are going to the city in vans that hold 7 people each, and if all but 1 van is full, how many people will be in the van that is not full?  
a. 6 people      b. 7 people      c. 9 people      d. 63 people
- \_\_\_\_\_ 11. Divide. Check your answer.

$$5 \overline{) 595}$$

- a. 118 R5      b. 119      c. 119 R5      d. 1190
- \_\_\_\_\_ 12. Foods contain combinations of nutrients and other healthful substances. It is important to eat a variety of foods from all five major food groups. If a 4 serving size package of brown rice has 136 grams of carbohydrates, how many grams does a single serving contain?  
a. 34 grams      b. 35 grams      c. 132 grams      d. 544 grams
- \_\_\_\_\_ 13. Which is the best estimate of  $363 \div 70$ ?  
a. 50      b. 40      c. 5      d. 4
14. One puppy in a litter weighed 10 ounces. Another puppy weighed 12 ounces. Two other puppies each weighed 7 ounces. What is the average or mean weight of the puppies in ounces?
15. Toula is making an afghan with 7 squares in each row. She has crocheted 139 squares. How many squares will be left after she makes as many rows as possible?

16. Larry earns \$4 a day at a pet store. He is saving his money for a bicycle which costs \$112.

How many days must he work to earn enough money to buy the bicycle?

17. Paul is reading a book with 240 pages. He plans to read 80 pages a week. How many weeks will it take him to read the book?

18. The school cafeteria received an order of 279 muffins. The order is meant to serve 93 people. How many muffins will each person be served?

19. Rhea is buying a large box of popcorn for \$2.91. She and 2 of her friends will share the cost.

Should each person pay a little more than \$1 or a little less than \$1?

\_\_\_\_\_



On the lines below, explain how you know without finding the exact answer.

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20. Is 428 divisible by 2, 3, 5, or 10? Write YES or NO after each number and explain how you got the answer.

2 \_\_\_\_\_

**Explain** \_\_\_\_\_

3 \_\_\_\_\_

**Explain** \_\_\_\_\_

5 \_\_\_\_\_

**Explain** \_\_\_\_\_

10 \_\_\_\_\_

**Explain** \_\_\_\_\_